

	11	20	29	38	47	56
5'GGAGC TCC GAG TGT CCA CAG GAA GGG AAC TAT CAG CTC CTG GCA TCT GTA AGG ATG						M
	65	74	83	92	101	110
CTG TCC ATG CTG AGG ACA ATG ACC AGA AGA CTC TGC TTC TTA TTC TTG TTT GTG						
L S M L R T M T R L C F L L F F S V						
	119	128	137	146	155	164
GCC ACC AGT GGG TGC AGT GCA GCA GCC TCT TCT CTT GAG ATG CTC TCG AGG						
A T S G C S A A A A S S L E M L S R						
	173	182	191	200	209	218
GAA TTC GAA ACC TGT GCC TTC TCC TCC TCT TCT TCC CTG CCT AGA AGC TGC AAA GAA						
E F E T C A F S S F S S L P R S C K E						
	227	236	245	254	263	272
ATC AAG GAA CGC TGC CAT AGT GCA GGT GAT GGC CTG CTG TAT TTT CTC CGC ACC AAG						
I K E R C H S A G D G L Y F L R T K						
	281	290	299	308	317	326
AAT GGT GTT GTC TAC CAG ACC TTC TGT GAC ATG ACT TCT TCT GGG GGT GGC GGC TGG						
N G V V Y Q T F C D M T S S G G G W						

FIGURE 1A

TABLE 1

335	344	353	362	371	380
ACC CTG GTG GCC AGC GTG CAC GAG AAT GAC ATG CAT GGG AAG TGC ACG GTG GGT					
T L V A S V H E N D M H G K C T V G					
339	398	407	416	425	434
GAT CGC TGG TCC AGT CAG CAG GGC AAC AAA GCA GAC TAC CCA GAG GGG GAT GGC					
D R W S S Q Q Q G N K A D Y P E G D G					
443	452	461	470	479	488
AAC TGG GCC AAC TAC AAC ACC ACC TCT GCA GAG GCG GCC ACG AGC GAT GAC					
N W A N Y N T F G S A E A A T S D D					
497	506	515	524	533	542
TAC AAG AAC CCT GGC TAC TAC GAC ATC CAG GCC AAG GAC CTG GGC ATC TGG CAT					
Y K N P G Y Y D I Q A K D L G I W H					
551	560	569	578	587	596
GTG CCC AAC AAG TCC CCC ATG CAG CAT TGG AGA AAC AGC GCC CTG CTG AGG TAC					
V P N K S P M Q H W R N S A L L R Y					
605	614	623	632	641	650
CGC ACC AAC ACT GGC TTC CTC CAG AGA CTG GGA CAT AAT CTG TTT GGC ATC TAC					
R T N T G F L L Q R L G H N L F G I Y					

FIGURE 1B

659	CAG	AAA	TAC	CCA	GTG	AAA	TAC	AGA	TCA	GGG	AAA	TGT	TGG	AAT	GAC	AAT	GGC	CCA
	Q	K	Y	P	V	K	Y	R	S	G	K	C	W	N	D	N	G	P
713	GCC	ATA	CCT	GTG	GTC	TAT	GAC	TTT	GGT	GAT	GCT	AAG	AAG	ACT	GCA	TCT	TAT	TAC
	A	I	P	V	V	Y	D	F	G	D	A	K	K	T	A	S	Y	Y
767	TCA	CCG	TAT	GGT	CAA	CGG	GAA	TTT	GTT	GCA	GGA	TTC	GTT	CAG	TTC	CGG	GTG	TTT
	S	P	Y	G	Q	R	E	F	V	A	G	F	V	Q	F	R	V	F
821	AAT	AAC	GAG	AGA	GCA	GCC	AAC	GCC	CTT	TGT	GCT	GGG	ATA	AAA	GTT	ACT	GGC	TGT
	N	N	E	R	A	A	N	A	L	C	A	G	I	K	V	T	G	C
875	AAC	ACT	GAG	CAT	CAC	TGC	ATC	GGT	GGA	GGA	GGG	TTC	TTC	CCA	CAG	GGC	AAA	CCC
	N	T	E	H	H	C	I	G	G	G	G	F	F	P	Q	G	K	P
929	CGT	CAG	TGT	GGG	GAC	TTC	TCC	GCC	TTT	GAC	TGG	GAT	GGA	TAT	GGA	ACT	CAC	GTT
	R	Q	C	G	D	F	S	A	F	D	W	D	G	Y	G	T	H	V

FIGURE 1C

983	992	1001	1010	1019	1028
AAG AGC AGC TGC AGT CGG GAG ATA ACG GAG GCG GCT GTA CTC TTG TTC TAT AGA					
K S S C S R E I T E A A V L L F Y R					
1037	1046	1055	1064	1073	1082
TGA GAC AGA GCT CTG CGG TGT CAG GGC GAG AAC CCA TCT TCC AAC CCC GGC TAT					
*					
1091	1100	1109	1118	1127	1136
TTG GAG ACG GAA AAA CTG GAA TTC TAA CAA GGA GGA GAG GAG ACT AAA TCA CAT					
CAA TTC 3'					

FIGURE 1D

TEST CODE 2260

1	M	L	S	M	L	R	T	M	T	R	L	C	F	L	L	F	F	S	V	A	2921920CD1
1	M	-	-	-	-	-	-	-	N	Q	L	S	F	L	L	F	L	I	A	T	g8096221
1	M	-	-	-	-	-	-	-	T	Q	L	G	F	L	L	F	I	M	V	A	g3357909
21	T	S	G	C	S	A	A	A	S	S	L	E	M	L	S	R	E	F	E		2921920CD1
14	T	R	G	W	S	T	D	E	A	N	T	Y	-	-	-	F	K	E	W	-	g8096221
14	T	R	G	C	S	A	A	E	E	N	-	-	-	L	D	T	N	R	W	G	g3357909
41	T	C	A	F	S	F	S	S	L	P	R	S	C	K	E	I	K	E	R	C	2921920CD1
30	T	C	S	S	S	-	P	S	L	P	R	S	C	K	E	I	K	D	E	C	g8096221
31	-	-	N	S	F	F	S	S	L	P	R	S	C	K	E	I	K	Q	E	H	g3357909
61	H	S	A	G	D	G	L	Y	F	L	R	T	K	N	G	V	V	Y	Q	T	2921920CD1
49	P	S	A	F	D	G	L	Y	F	L	R	T	E	N	G	V	I	Y	Q	T	g8096221
49	T	K	A	Q	D	G	L	Y	F	L	R	T	K	N	G	V	I	Y	Q	T	g3357909
81	F	C	D	M	T	S	G	G	G	G	W	T	L	V	A	S	V	H	E	N	2921920CD1
69	F	C	D	M	T	S	G	G	G	G	W	T	L	V	A	S	V	H	E	N	g8096221
69	F	C	D	M	T	T	A	G	G	G	W	T	L	V	A	S	V	H	E	N	g3357909

FIGURE 2A

TESTO EST.60

101 D M H G K C T V G D R W S S Q Q G N K A 2921920CD1
89 D M R G K C T V G D R W S S Q Q G S K A g8096221
89 N M R G K C T V G D R W S S Q Q G N R A g3357909

121 D Y P E G D G N W A N Y N T F G S A E A 2921920CD1
109 D Y P E G D G N W A N Y N T F G S A E A g8096221
109 D Y P E G D G N W A N Y N T F G S A E A g3357909

141 A T S D D Y K N P G Y Y D I Q A K D L G 2921920CD1
129 A T S D D Y K N P G Y Y D I Q A K D L G g8096221
129 A T S D D Y K N P G Y D I Q A E N L G g3357909

161 I W H V P N K S P M Q H W R N S A L L R 2921920CD1
149 I W H V P N K S P M Q H W R N S S L L R g8096221
149 I W H V P N K S P L H N W R K S S L L R g3357909

181 Y R T N T G F L Q R L G H N L F G I Y Q 2921920CD1
169 Y R T D T G F L Q T L G H N L F G I Y Q g8096221
169 Y R T F T G F L Q H L G H N L F G L Y K g3357909

FIGURE 2B

TESTED

201	K Y P V K Y R S G K C W N D N G P A I P	2921920CD1
189	K Y P V K Y G E G K C W T D N G P V I P	g8096221
189	K Y P V K Y G E G K C W T D N G P A L P	g3357909
221	V V Y D F G D A K K T A S Y Y S P Y G Q	2921920CD1
209	V V Y D F G D A Q K T A S Y Y S P Y G Q	g8096221
209	V V Y D F G D A R K T A S Y Y S P S G Q	g3357909
241	R E F V A G F V Q F R V F N N E R A A N	2921920CD1
229	R E F T A G F V Q F R V F N N E R A A N	g8096221
229	R E F T A G Y V Q F R V F N N E R A A S	g3357909
261	A L C A G I K V T G C N T E H H C I G G	2921920CD1
249	A L C A G M R V T G C N T E H H C I G G	g8096221
249	A L C A G V R V T G C N T E H H C I G G	g3357909
281	G G F F P Q G K P R Q C G D F S A F D W	2921920CD1
269	G G Y F F E A S P Q Q C G D F S G F D W	g8096221
269	G G F F F E G N P V Q C G D F A S F D W	g3357909

FIGURE 2C

109210-0051250

301	D	G	Y	G	T	H	V	K	S	S	C	S	R	E	I	T	E	A	A	V	2921920CD1
289	S	G	Y	G	T	H	V	G	Y	S	S	S	R	E	I	T	E	A	A	V	g8096221
289	D	G	Y	G	T	H	N	G	Y	S	S	S	R	K	I	T	E	A	A	V	g3357909

321	L	L	F	Y	R	2921920CD1
309	L	L	F	Y	R	g8096221
309	L	L	F	Y	R	g3357909

FIGURE 2D